



EXPRESS MAIL No.: EV335859654US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Coruzzi et al.

Confirmation No.: 5866

Application No.: 09/756,541

Group Art Unit: 1638

Filed: January 8, 2001

Examiner: Ashwin D. Mehta

For: PLANT NITROGEN REGULATORY  
P-II GENES

Attorney Docket No.: 5914-089

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 and § 1.97 to inform the Patent and Trademark Office of all references coming to the attention of each individual associated with the filing or prosecution of the subject application, which are or may be material to the patentability of any claim of the application, Attorneys for Applicants hereby direct the Examiner's attention to references C01-C22 listed on the attached revised form PTO 1449 entitled "List of References Cited by Applicants."

The current application is a continuation of application no. 08/899,330 which was filed on July 23, 1997 and issued as US Patent no. 6,177,275 which claims benefit of US provisional patent application no. 60/022,328, filed July 24, 1996.

References C01-C22 were either made of record by the Examiner or submitted with an Information Disclosure Statement filed in connection with the above-mentioned application no. 08/899,330, from which the instant application claims priority under 35 U.S.C. § 120.

Pursuant to 37 C.F.R. § 1.98(d), and so as not to overburden the Patent and Trademark Office files, no copies of these references are included now. Applicants refer the Examiner to the above mentioned parent application, for copies of these references. However, Applicants will submit copies of the aforementioned references upon request by the Examiner.

Identification of the listed references is not to be construed an admission of Applicants or Attorneys for Applicants that such references are available as "prior art" against the subject application.




Applicants respectfully request that the Examiner review the foregoing references and that the references be made of record in the file history of the application.

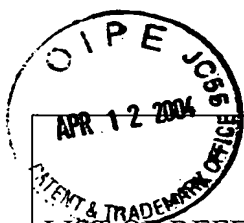
Pursuant to 37 C.F.R. §1.97(b), since this information disclosure statement is being filed before the mailing date of a first Office Action on the merits, no fee is due in connection herewith. However, should the Patent Office determine otherwise, please charge the required fee to Jones Day Deposit Account No. 503013. A duplicate of this sheet is enclosed.

Respectfully submitted,

Date: April 12, 2004

 31,232  
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Enclosures



## LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

ATTY DOCKET NO.

5914-089

APPLICATION NO

09/756,541

APPLICANT

Coruzzi et al.

FILING DATE

January 8, 2001

GROUP

1638

## U.S. PATENT DOCUMENTS

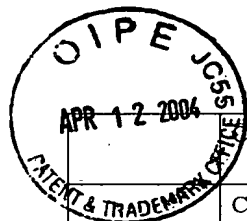
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

C01	Colonna-Romano et al., 1987, "Tight linkage of glnA and a putative regulatory gene in Rhizobium leguminosarum", Nucleic Acids Res. 15:1951-1964.
C02	de Zamaroczy et al., 1990, "Characterization of three different nitrogen-regulated promoter regions for the expression of glnB and glnA in Azospirillum brasilense", Mol. Gen. Genet. 224:421-430.
C03	Edwards & Coruzzi, 1989, "Photorespiration and light act in concert to regulate the expression of the nuclear gene for chloroplast glutamine synthetase", Plant Cell 1:241-248.
C04	Faure et al., 1994, "Zea3: A pleiotropic mutation affecting cotyledon development, cytokinin resistance and carbon- nitrogen metabolism", Plant J. 5:481-491.
C05	Foor et al., 1975, "Regulation of synthesis of glutamine synthetase by adenylylated glutamine synthetase", Proc. Natl. Acad. Sci. USA 72:4844-4848.
C06	Forchhammer & De Marsac, 1994, "The PII protein in the cyanobacterium Synechococcus sp. strain PCC 7942 is modified by serine phosphorylation and signals the cellular N-status", J. Bacteriol. 176:84-91.
C07	Holtel & Merrick, 1988, "Identification of the Klebsiella pneumoniae glnB gene: Nucleotide sequence of wild-type and mutant alleles", Mol. Gen. Genet. 215:134-138.
C08	Kranz et al., 1990, "Inactivation, sequence, and lacZ fusion analysis of a regulatory locus required for repression of nitrogen fixation genes in Rhodobacter capsulatus", J. Bacteriol. 172: 53-62.
C09	Lam et al., 1994, "Metabolic regulation of the gene encoding glutamine dependent asparagine synthetase in Arabidopsis thaliana", Plant Physiol. 106:1347-1357.
C10	B. Magasanik, 1988, "Reversible phosphorylation of an enhancer binding protein regulates the transcription of bacterial nitrogen utilization genes", TIBS 13:475-479.
C11	B. Magasanik, 1993, "The regulation of nitrogen utilization in enteric bacteria", J. Cell. Biochem. 51:34-40.
C12	Martin et al., 1989, "Bradyrhizobium japonicum glnB, a putative nitrogen-regulatory gene, is regulated by NtrC at tandem promoters", J. Bacteriol. 171:5638-5645.
C13	Ninfa & Magasanik, 1986, "Covalent modification of the glnG product, NRI, by the glnL product, NRII, regulates the transcription of the glnALG operon in Escherichia coli", Proc. Natl. Acad. Sci. USA 83:5909-5913.



C14	Son & Rhee, 1987, "Cascade control of Escherichia coli glutamine synthetase", J. Biol. Chem. 262:8690-8695.
C15	Souillard & Sibold, 1989, "Primary structure, functional organization and expression of nitrogenase structural genes of the thermophilic archaebacterium Methanococcus thermolithotrophicus", Mol. Microbiol. 3:541-551.
C16	Stam et al., 1997, The Silence of Genes in Transgenic Plants, Annals of Botany 79:3-12.
C17	C. Stewart, 1993, "The powers and pitfalls of parsimony", Nature 361: 603-607.
C18	Tsinoremas et al., 1991, "Photosynthetic electron transport controls nitrogen assimilation in cyanobacteria by means of posttranslational modification of the glnB gene product", Proc. Natl. Acad. Sci. USA 88:4565-4569.
C19	van de Loo et al., 1995, "Expressed sequence tags from developing castor seeds", Plant Physiol. 108:1141-1150.
C20	van Heeswijk et al., 1993, "The genes of the glutamine synthetase adenylation cascade are not regulated by nitrogen in Escherichia coli", Mol. Microbiol. 9:443-457.
C21	Vincentz et al., 1993, "Regulation of nitrate and nitrite reductase expression in Nicotiana plumbaginifolia leaves by nitrogen and carbon metabolites", Plant J. 3:315-324.
C22	Wray et al., 1994, "The nitrogen-regulated Bacillus subtilis nrgAB operon encodes a membrane protein and a protein highly similar to the Escherichia coli glnB-encoded PII protein", J. Bacteriol. 176:108-114.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with **MPEP 609**; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.